

Abstract of the Disclosure

A ceramic envelope for a high intensity discharge lamp employs the ceramic envelope obtained by integrally molding each electrode insertion section and at least an end portion of a barrel section. An elliptic like shape of barrel section 1 forms a discharge space and capillary sections 2 are for inseting and fixing a discharge electrode. Further, the capillary sections 2 are protruded outward from both ends of the barrel section 1, while facing each other. The ceramic envelope mainly consists of alumina and is burned to exhibit light transmittable property. Moreover, a boundary of the end portion 3 corresponding to a corner of the discharge space, between the barrel section 1 and each of the capillary sections 2 is formed to have an R of 1.0 mm. In this manner, a ceramic envelope is capable of reducing a light color change of the discharge lamp and is capable of extending a service life of the lamp.